Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 20 Dec 2021 until 23:59 on Tuesday 21 Dec 2021

Forecast Issued on Sunday 19 Dec 2021 at 12:26

Confidence: High pressure remains firmly in charge over the next few days bringing dry and settled conditions, although there is some uncertainty over the extent of cloud cover. Lower confidence for details from Wednesday as low pressure approaches.

Headline for Monday 20 Dec 2021: A chilly, misty start then a dry and bright day.

Mountain weather hazards on Monday 20 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
		MIST	FOG	MIST			
Partly cloudy (night)	Partly cloudy (night)	Mist	Fog	Mist	Sunny intervals	Partly cloudy (night)	Cloudy
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Monday 20 Dec 2021

Weather: Summits remaining largely clear through the early hours while low cloud shrouds valleys and lower slopes. This leaves a cloudy, perhaps misty start to Monday as areas of low cloud lift across the hills, eventually clearing all but highest summits by afternoon. Brighter spells and some sunshine then through afternoon with some cloud clinging to summits. Clearer spells into the evening.

Chance of cloud free mountain/hill tops above 800m: 40% rising to 60%.

Visibility: Areas of cloud will be quite extensive above 400-500m through morning, rising to 600-800m by afternoon and generally thinning and breaking, although the details are a little uncertain. These will give locally very poor visibility but otherwise, some far reaching views will be on offer.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Monday 20 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	7/9 SE	13/16 E	12/15 E	12/18 E	10/13 SE	8/11 SE	8/12 SE	9/12 SE	7/10 SE
600	5/7 E	12/17 E	13/19 E	15/22 E	10/14 SE	8/12 SE	8/11 SE	8/11 SE	6/9 SE
300	2/5 E	4/10 E	4/11 E	5/14 E	4/8 SE	3/5 SE	4/6 S	4/8 SE	4/9 SE
Valley	3/4 SW	3/5 N	2/5 N	4/11 E	5/10 E	4/9 E	4/10 E	4/9 E	3/7 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-2	1/-4	1/-3	0/-5	-1/-5	-1/-5	-2/-6	-2/-6	-3/-7
600	2/-0	1/-3	1/-3	1/-4	1/-3	1/-3	-0/-4	-0/-4	-1/-4
300	1/-1	1/-1	2/-0	2/-0	4/2	2/1	2/-0	1/-1	0/-2
Valley	2/1	2/1	3/1	4/3	6/4	5/4	4/2	3/1	2/1
Freezing Level*	1400m	1400m	1000m	800m	800m	700m	600m	400m	400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

There is uncertainty in the detail of low cloud and associated poor visibility through Monday morning. It will feel very cold on higher ground with temperatures at or below freezing.

Forecast for Tuesday 21 Dec 2021

Weather: Uncertainty in the extent of low cloud cover continues, but this will generally be less extensive compared to Monday. As such, conditions should be bright or sunny with low cloud largely confined to early and late in the day.

Maximum wind: Southeast 5-10mph.

Chance of cloud free mountain/hill tops above 800m: 70%.

Visibility: Areas of low cloud, whilst not extensive, may be a feature through parts of the day, mostly likely above around 600-800m. Some valley fog is also probable through morning and again into evening. Otherwise, visibility will be very good with distant peaks clearly visible.

Temperature: **Valleys:** Around freezing, rising to 2 or 3 Celsius.
At 800m: Minus 4 Celsius.
Freezing level: Valley floors to 200m.

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Ground Conditions Supplement

Date: Sunday 19 December Location: Helvellyn summit at 14:30 Full report: Another spectacular high pressure day on the Lake District fells with superb visibility and light and variable winds. The temperature inversion was still holding but weakening with a 4oC temperature difference between the summit of Helvellyn and Keswick. Two days ago the difference was an amazing 8oC ie the summits were 8oC warmer than the valley floor! A few cloud inversions formed and dissipated in the valleys throughout the day but in general the national park was bathed in sunlight. High pressure conditions are forecast to last until Wednesday although you may have to go high to get above the cloud which will shroud many low lying areas. The fells are for the most part snow-free, however, there are still some large patches and long continuous ribbons of snow to be found typically but not exclusively on steep north through east-facing aspects above 700m. Small slumping & unstable cornices are also to be found above these slopes which should be given a wide berth. Despite the relatively warm summit temperatures all the snow encountered today was hard and icy especially on paths where it has been compressed by walkers feet and any slip not quickly arrested could have very serious consequences. Crampons & an ice axe are still essential for anyone venturing onto the snow and or steeper terrain. The majority of popular paths can now be followed without setting foot on snow - including Striding & Swirral Edges although these both require some careful route choice and anyone straying from this line could quickly find themselves on some very serious & icy terrain. Full winter clothing (warm and waterproof) and equipment including hat and gloves, map, compass and a headtorch are all essential for anyone venturing onto the fells. Temperature: plus 9.3C Maximum wind speed 7.2mph Wind chill: plus 7.2C Average wind speed: 5.2mph

Issued at: 1226 on Sun 19 Dec 2021

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